NEW MEXICO OIL CONSERVATION COMMSSION MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Тур	e Test									-	Test Da	te	7		
	_	Initia	l			Annual			Spe	ecial		19-72			
Con	pany					Conn	ection	1					+		
A	OCO PRO	DUCT1	ON COM	PANY		1			None						
Poo	1					Form	ation						Unit		
	Blanco								Pietu	red (:11ff	B	1		
	pletion Da		Tot	tal Depth				Plug Back			Elevatio			or Lease Na	
L	2-12-7			2510					75		3652'	XB			Com "H"
1	. Size	Wt.	,d	050	- 1	t At		Perforation		~-		3-9	Well N		
Tho	500 . Size	9.5	- d	.050		492		From 22		То	23	64	Unit	Sec.	Twp. Rge.
66	OB	2.40	1	.380	وا	310		From	Open	Т	- T-	ied	L	3	29M 9W
	e Well - Sin							L	Packer S	et At			County		4724 741
		81	ngle											San Ju	Ara.
Fro	iucing Thru		Reservoir	Temp. *I	-			Temp. °F			-		State		
	Tbg.			,		60°	L.		12 P		Bet.			New Mex	rico
	Ĺ	Н	G	ig e		% CO 2	!	% N 2		% H ₂ S		Prover	Mete	r Run	Taps
		1		.65		<u> </u>		,		= -					L
	Prover			W DAT		5.44					DATA			DATA	Duration
NO.	Line	^	Size	Press. p.s.i.g.	1	Diff hw	•	Temp.	Pres p.s.i		Tem		ess.	Temp.	of Flow
SI	Size 7 Days	С.	boke		-+				621				23	ļ	-
1.	2 H	.7	50						55)6	600	3 Hr.
2.			-										 		
3.															
4.															
5.											<u> </u>				
			1			RAT	E O	F FLOW	CALCU	LATIC	DNS				
	Coeff	icient	_	/	_	Pres	ssure		Temp.		Gravity	I	Super		ate of Flow
NO.	(24 F	dour)	\	h _w P _m		1	m	1	actor Ft,	1	Factor Fa	1	ompress. ctor, Fp		Q, Mcfd
1	12.3	650	 			67	7		000		508		.000		796
2.		**************************************													
3.											·				
4											, e		2		
5.			<u> </u>			<u> </u>				<u> </u>			12/1	<u> </u>	
NO.	P _r	Temp	• *R	$\tau_{\rm r}$		z	Gas	Liquid Hy	drocarbon	Ratio .			ك الله	-}	Mcf/bbl.
1		_			 -		1	.I. Gravity				 	1777	1	Deg.
2.		-					1	cific Gravit			1			 	XXXXXX
3.					 		1	cific Gravit		Fluid	$\frac{1}{2}$	XXXX		/.	
4.							1	lical Pressi lical Tempe			- \(\frac{1}{1}\)	ist.	3 P.S/	R	P.S.I.A.
5							<u> </u>						سوسر	- · · •	
P _c _	635		<u>403,22</u>				1	P_ 2		1.	134	Γ	P. 2] n	1.113
NO	P _t ²	P _V		Pw ²		- P _w ²	(1)	$\frac{P_c^2}{P_c^2 - P_w^2}$	<u> </u>			(2)	p2 n	$\begin{bmatrix} \frac{1}{2} \\ \frac{1}{2} \end{bmatrix}$ = $\begin{bmatrix} \frac{1}{2} \\ \frac{1}{2} \end{bmatrix}$	
1		21	8 47	,524	35,5	5701	1	'c 'w				Ļ	'c - '\	٠	
2							1	Г	_D 2	٦n	Ř	86			
4		-	 		-		AOI	F = Q -	- FC	- =					
5		+						L	15. - 1 %	7					
					·		<u></u>			Τ				<u> </u>	
Abs	olute Open	Flow	8	86				Mcfd	€ 15.025	Angl	e of Slop	· • ·		Slope	, n .85
Нел	arks:														
															
A	roved By C	omminate:		Conduc	المعود	lv.			Calculate	M P			Chart		inc Dimne d by 1110111 31 1211
App	Oved by C	~1561OI	••	1		Elled	i ge				Ellis	on		Arnold	
i							-6-								

TABULATION OF DEVIATION TESTS LOBATO GAS COM "H" NO. 1 AMOCO PRODUCTION COMPANY

DEPTH	DEVIATION
222 *	1/2°
900 t	1/2°
1341*	3/4°
1911'	1/2°
2510 *	3/4°

AFFIDAVIT

THIS IS TO CERTIFY that to the best of my knowledge the above tabulation details the deviation tests taken on AMOCO PRODUCTION COMPANY'S Lobato Gas Com "H" No. 1, located 1630' FSL and 1120' FWL, Section 3, T-29-N, R-9-W, San Juan County, New Mexico.

Signed J. Amold Sull Title Area Engineer

DIST. 3

THE	STA	ATE	OF	N	EW	M	EXICO)	
)	SS.
COUN	YTV	OF	SAN	Į	JUA	lΝ)	

BEFORE ME, the undersigned authority, on this day personally appeared J. Arnold Snell known to me to be Area

Engineer for Amoco Production Company and to be the person whose name is subscribed to the above statement, who, being by me duly sworn on oath, states that he has knowledge of the facts stated herein and that said statement is true and correct.

SUBSCRIBED AND SWORN TO before me, a Notary Public in and for said County and State this 27th day of $\underline{\text{December}}$, $19\underline{72}$.

Bleauer P. Brown Notary Public

My Commission Expires: December 28, 1975

31. Perferation Record (2264-78, 2296 33. Date First Production 12-7-72 Date of Test 12-19-72 Ficw Tubing Press. 55 34. Disposition of Cas (Productions Tested 3 Casing Pressur 206	BOTTOM d number) 2-22 W/1 SF action Method (Flow Flow Choke Size -750 e Calculated 24 Hour Rate	PROD wing, gas lift, pump ring Prod'n. For Test Period	DEPTH 2264-2	ACID, SHOT, FR INTERVAL 322' S 1 type pump) Gas - MCF Water	cd. w/500 gal.,000# 20-40, 2,500# 8-12 sn t. AIR 47 BPM. N OFF, out of Weil Statu Shut Water - Bal.	PACKER SET - UEEZE, ETC. ND MATERIAL USED 15% HCl. SWF W/ 20,000# 10-20 & in 32,500 gal. trt ATP 1600, ISIP water. s (Prod. or Shut-in) In Gas-Oil Ratio Gravity - API (Corr.)
31. Perforation Record (2264-78, 2296 33. Date First Production 12-7-72 Date of Text 12-19-72 Flow Tubing Press.	Productions Tested 3 Casing Pressur	BOTTOM d number) 2-22 W/1 SF action Method (Flow Flow Choke Size750 e Calculated 24	PROD wing, gas lift, pump ring Prod'n. For Test Period	DEPTH 2264-21 DUCTION ping - Size and	SIZE 1-1/4" ACID, SHOT, FR INTERVAL 322' 5 7 W Si type pump) Gas - MCF	ACTURE, CEMENT SQ AMOUNT AND KI Cd. W/500 gal. ,000# 20-40, 2 ,500# 8-12 sn t. AIR 47 BPM. N OFF, out of Water - Bol.	PACKER SET - UEEZE, ETC. ND MATERIAL USED 15% HCl. SWF w/ 20,000# 10-20 & in 32,500 gal. trt ATP 1600, ISIP Water. s (Prod. or Shut-in) In Gas-Oil Ratio
31. Perferation Record (2264-78, 2296 33. Date First Production 12-7-72 Date of Text	TOP (Interval, size and p-2306, 231) Production Hours Tested	BOTTOM d number) .2-22 W/1 SF action Method (Flow Flow Choke Size	PROD wing, gas lift, puming ving	32. DEPTH 2264-2	ACID, SHOT, FR INTERVAL 322 A 57 W Strape pump)	ACTURE, CEMENT SQ AMOUNT AND KI cd. w/500 gal. ,000# 20-40, 2 ,500# 8-12 sn t. AIR 47 BPM. N OFF, out of Weil Statu Shut	PACKER SET - UEEZE, ETC. ND MATERIAL USED . 15% HCl. SWF w/ 20,000% 10-20 & in 32,500 gal. trt . ATP 1600, ISIP water. s (Prod. or Shut-in) In
31. Perforation Record (2264-78, 2296	TOP (Interval, size an -2306, 231	BOTTOM d number) .2-22 W/1 SE	PROD ving, gas lift, pum	32. DEPTH 2264-2	SIZE 1-1/4" ACID, SHOT, FR INTERVAL 322. A 5 7 8	ACTURE, CEMENT SQ AMOUNT AND KI cd. w/500 gal. ,000# 20-40, 2 ,500# 8-12 sn t. AIR 47 BPM. N OFF, out of	PACKER SET - UEEZE, ETC. ND MATERIAL USED . 15% HC1. SWF w/ 20,000# 10-20 & in 32,500 gal. trt ATP 1600, ISIP water. s (Prod. or Shut-in)
31. Perforation Record (2264-78, 2296	TOP (Interval, size an -2306, 231	BOTTOM d number) 2-22 W/1 SE	PROD	32. DEPTH 2264-2	SIZE 1-1/4" ACID, SHOT, FR INTERVAL 322. A 5 7 8	2310 1 ACTURE, CEMENT SQ AMOUNT AND KI cd. w/500 gal ,000# 20-40, 2 ,500# 8-12 sn t. AIR 47 BPM	PACKER SET - UEEZE, ETC. ND MATERIAL USED . 15% HC1. SWF w/ 20,000% 10-20 & in 32,500 gal. trt ATP 1600, ISIP
SIZE 31. Perforation Record (TOP (Interval, size an	BOTTOM d number)		32. DEPTH	SIZE 1-1/4" ACID, SHOT, FR INTERVAL 322. A 5	2310 LACTURE, CEMENT SQ ACTURE, CEMENT SQ AMOUNT AND KI cd. w/500 gal ,000# 20-40, 2 ,500# 8-12 sn	PACKER SET - UEEZE, ETC. ND MATERIAL USED . 15% HC1. SWF w/ 20,000# 10-20 & in 32,500 gal. trt
SIZE 31. Perforation Record (TOP (Interval, size an	BOTTOM d number)		32. DEPTH	SIZE 1-1/4" ACID, SHOT, FR INTERVAL 322. A	ACTURE, CEMENT SQ AMOUNT AND KI cd. W/500 gal	PACKER SET - UEEZE, ETC. ND MATERIAL USED . 15% HC1. SWF W/
SIZE 31. Perforation Record (TOP (Interval, size an	BOTTOM d number)		32.	SIZE 1-1/4" ACID, SHOT, FR	DEPTH SET 2310 ACTURE, CEMENT SQ	PACKER SET - UEEZE, ETC.
SiZd	ТОР	воттом	SACKS CEMENT		size 1-1/4"	2310 °	PACKER SET
		Т	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
		Т	SACKS CEMENT	SCREEN			
29.	L	TINER RECORD			30.	TUBING REC	ORD
		INER RECORD	· · · · · · · · · · · · · · · · · · ·	<u> </u>	30.	TURING DEG	
	1						
4-1/2"	9.5#	249	2' 6	3/4"		irc. to surf.)	_
8 -5 /8''	23#	21	.5 ' 12	2-1/4"		irc. to surf.	
CASING SIZE	WEIGHT LB.			LE SIZE		TING RECORD	AMOUNT PULLED
Cased Hole C	uniy: Gamm		con Log SING RECORD (Re	port all strings	set in well)		No
26. Type Electric and C	. •		_			27. \	Vas Well Cored
							No
Pictured Cli							25. Was Directional Survey Made
2510 '	s), of this comple	2475 tion - Top, Botton	n. Name			> SurfTD	05 W Dr
ac. Total Depta	21. Pi	ug Back T.D.	22. If Multi; Many	ole Compl., Ho	Drilled		Cable Tools
11-20-72	11-24-7	72 12-	-19-72	- 56	640 ' Gr., 5	652' KB	5641'
THE West_ING OF	16. Date T.D. I	Reached 17. Date	Compl. (Ready to	Prod.) 18. E	Elevations (DF , R	KB, RT, GR, etc.) 19.	
THE West we as	55C. 3 .	29N	. 9W			12. County San Ju	
UNIT LETTER	LOCATED 16	30 FEET F	ROM THE South	LINE AND	1120	EET FROM	
					\ DI	ST. 3	
4. Location of Well	, 10		IICALCO	J/7UL	OIL C	W. C. WITHIGO	Pictured Cliffs
-•	Drive. Fa	armington. N	New Mexico	.87401	I DEF	10. Flield o	Pictured Cliffs
AMOCO PRODU	CTION COME	'ANY			- nen	991972	1 and Pool, or Wildcat
2. Name of Operator			1		1 1250	9. Well No.	· · · · · · · · · · · · · · · · · · ·
NEW LZ WO		PLUG BACK		OTHER		H H H H H H H H H	o Gas Com "H"
D. TYPE OF COMPLE	TION	GAS WELL	A DRY	OTHER_		8. Farm or	Lease Name
is. The or Well	OIL	GAS		٦		7. Unit Agr	reement Name
la. TYPE OF WELL							
OPERATOR	1						
LAND OFFICE						o. State O.	d dds Ledsc No.
U.S.G.S.	2	WELL COMPL	ETION OR REC	COMPLETIO	N REPORT A	ND LOG State C	Fee X
LICE.		NEW	MEXICO OIL CO	NSERVATIO	N COMMISSION	l r	e Type of Lease
SANTA FE						Revise	d 1-1-65
DISTRIBUTION SANTA FE FILE						Form C	

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico Northwestern New Mexico Yates _____ T. Miss _____ T. Cliff House ____ _ T. Leadville ___ 7 Rivers ______ T. Menefee _____ ____ T. Madison ___ Queen _____ T. Silurian ____ т. T. Point Lookout _____ T. Elbert ____ Grayburg T. Montoya T. T. Mancos _____ T. McCracken ___ T. T. Simpson ___ San Andres ____ T. Gallup _____ T. Ignacio Qtzte ____ _____ T. McKee ____ Т. Base Greenhorn ______ T. Granite _____ T. Ellenburger T. Dakota T. T. Blinebry ______ T. Gr. Wash _____ T. Morrison _____ T. T. Granite ______ T. Todilto ____ T. Tubb ____ _ T. _ Drinkard ______ T. Delaware Sand _____ T. Entrada ____ T. Т. ___ T. Bone Springs _____ T. Wingate ___ т. ____ T. Wolfcamp_____T. _____ T. Chinle ____ _____ T. ____ т. __ T. Permian T. T Cisco (Bough C) _____ T. ____ T. ____ T. ___ T. ___ T. ___ T. ____ T. ___ T. ___ T. ___ T. ____ T. ___ T. __ T. ___ T. ___ T. ___ T. ___ T. ___ T. ___ T. __ T. ___ T. ___ T. ___ T. ___ T. ___ T. ___ T. __ T. ___ T. __ T. ___ T. __ T. ___ T. __ T. ___ T. __ T. __ T. ___ T. __ T. __ T. ___ T. __ T. ___ T. __ T. ___ T. __ T. ___ T. __ T. ___ T. ___ T. __ T. ___ T. __ T. ___ T. ___ T. __ T. __ T. __ T. __ T. __ T. ___ T. __ T. __ T. ___ T. __ T. ___ T. __ T. ___ T. ___ T. __ T. ___ T. __ T. ___ T. __

FORMATION RECORD (Attach additional sheets if necessary)

From	То	Thickness in Feet	Formation	From	То	Thickness in Feet	Formation
2260 '	23221	62'	Pictured Cliffs				
							• · · · · · · · · · · · · · · · · · · ·
	CONTRACTOR OF THE CONTRACTOR O						
							-

	-	4		
BO. OF COVIES RECE				
DISTRIBUTIO				
SANTA FE				
FILE				
U.S.G.S.				
LAND OFFICE				
TRANSPORTER	OIL			
IRANSPORTER	1			
OPERATOR	/			
SECRETION OF	1	1		

NEW MEXICO OIL CONSERVATION COMMISSION REQUEST FOR ALLOWABLE

Form C-104 Supersedes Old C-104 and C-110

SANTAFE	were	AND	Effective 1-1-65			
FILE	AUTHORIZATION TO TRAN		GAS			
U.S.G.S.	AUTHORIZATION TO TRAI	101 011 012 1112 1111 111				
OIL						
TRANSPORTER GAS /						
OPERATOR /						
PRORATION OFFICE						
Operator						
AMOCO PRODUCTION	COMPANY					
501 Airport Driv	e, Farmington, New Mexic	Other (Please explain)				
Reason(s) for filing (Check proper box)		Other (Flease explain)				
New Well	Change in Transporter of: Other Dry Gas					
Recompletion	Oil Dry Gas Casinghead Gas Condens	7				
Change in Ownership	Casinghead Cas					
If change of ownership give name and address of previous owner						
I. DESCRIPTION OF WELL AND	LEASE Well No. Pool Name, Including Fo	emation Kind of L	ease Lease No.			
Lease Name	well ido.		deral or Fee Fee			
Lobato Gas Com "H"	1 Blanco Pictur	ted CITIES				
Location	30 Feet From The South_Line	e and 1120 Feet Fr	om The West			
Unit Letter L ; 16	Feet From The South Line	did				
tine of Section 3 To	wnship 29N Range	9W , NMPM,	San Juan County			
Line of Section 3						
I. DESIGNATION OF TRANSPOR	TER OF OIL AND NATURAL GA	S				
Name of Authorized Transporter of Oil	or Condensate	Address (Give address to which a	pproved copy of this form is to be sent)			
			ensowed conv of this form is to be sent)			
Name of Authorized Transporter of Ca	singhead Gas 🔲 or Dry Gas 🛣	Address (Give address to which approved copy of this form is to be sent) P. O. Box 990, Farmington, New Mexico 87401				
El Paso Natural Gas Co	mpany	P. O. Box 990, Farm	Mexico 8/401 When			
If well produces oil or liquids,	Unit Sec. Twp. P.ge.	Is gas actually connected?	1			
give location of tanks.		No	\			
If this production is commingled w	ith that from any other lease or pool,	give commingling order number:				
V. COMPLETION DATA	Oil Well Gas Well	New Well Workover Deeper				
Designate Type of Completi	01					
Designate Type of Complete	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.			
Date Spudded		2510'	24751			
11-20-72	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth			
Elevations (DF, RKB, RT, GR, etc.)	Pictured Cliffs	22611	2310 1			
5652' KB, 5640' Gr.	1 ACCUSED CARACTE		Depth Casing Shoe			
2264-78', 2296-2306',	2312-22' x 1 SPF		24921			
2204-70 \$ 2250 2000 }	TUBING, CASING, AN	D CEMENTING RECORD	SACKS CEMENT			
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	200			
12-1/4"	8-5/8", 23#	215'	500			
6-3/4"	4-1/2", 9.5#	2492 ' 2310 '	300			
	1-1/4", 2.4#	2310				
		after recovery of total volume of loa	oil and must be sual to or exceed top allow			
V. TEST DATA AND REQUEST	FOR ALLOWABLE (Test must be able for this d	lepth of be for full 24 nours?				
OIL WELL	Date of Test	Producing Method (Flow, pump,	gas lift, ec.)			
Date First New Oil Run To Tanks	Date of Test					
	Tubing Pressure	Casing Pressure	Chok .			
Length of Test			A-OVEF C			
Actual Prod. During Test	Oil-Bbis.	Water - Bbls.	Cherry .			
Sound, Crown Daniel						
GAS WELL		Bbls. Condensate/MMCF	Gravity of Condensate			
Actual Prod. Test-MCF/D	Length of Test	Bbis. Condensate Minici	-			
796	3 hr.	Casing Pressure (Shut-in)	Choke Size			
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	623	.750			
Back Pressure	621		ERVATION COMMISSION			
VI. CERTIFICATE OF COMPLIA	NCE	1				
		APPROVEDD	EC 2 9 1972 , 19			
I hereby certify that the rules an	d regulations of the Oil Conservation is with and that the information give the heat of my knowledge and belief	n simmed	by Emery C. Arnold			
Commission have been compiled above is true and complete to	the best of my knowledge and belief	BY OTTETHOT DO	ISOR DIST. #3			
		TITLESUPERVI	IDON DADE			
Original Signed by		- in to be fil	ed in compliance with RULE 1104.			
1. ARMOLD SNELL						
		well, this form must be ac	accordance with RULE 111.			
1	ignature)	tests taken on the well in	orm must be filled out completely for allo			
Area Engineer	(Title)					
December 27, 1			ns I, II, III, and VI for changes of own ansporter, or other such change of conditi			